

Overview: Module 1 – Chemistry Content

In this module, you will focus on how the research framework strategies related to **chemistry content** can help hands-on activity participants increase their interest, relevance, and self-efficacy in the field of chemistry.



This module will include individual preparatory work and group discussion. Below are the materials and actions you are expected to complete as part of this module. Review these and consider how much time you may need to complete each task to plan your time accordingly. You should complete each task in order as it is listed below and on the [Module 1 page](#).

- **Watch the research video on content strategies.** Our research team shares what we learned about how the content framework strategies support interest, relevance, and self-efficacy around chemistry. (10 min)
- **Explore a “Let’s Do Chemistry” activity: The Nature of Dye.** Virtually explore an activity that was found to strongly support visitors’ attitudes towards chemistry by reading through the activity materials and watching the activity training video. (30 min)
- **Adapt your practice activity using the content framework strategies.** Using the chemistry content **worksheet** and **research framework handout**, adapt your practice activity using the content framework strategies to support positive attitudes toward chemistry. (60 min)
- **Participate on Slack.** As you begin your preparatory work, you may have questions or ideas you want feedback on. Use Slack as a place to connect with your fellow participants just as you would at an in-person workshop. We will also use Slack in addition to emails to communicate upcoming deadlines and group discussion guidelines.
- **Join Zoom online session.** In one week, all workshop participants will join a Zoom call for a facilitated discussion on chemistry content, where we’ll answer questions and ask you to share about how you have adapted your activity. (60 – 75 min)

Good luck and enjoy your exploration of Module 1 - Chemistry Content! Please reach out to Emily Hostetler at ehostetler@mos.org or David Sittenfeld at dsittenfeld@mos.org or tag us on Slack.